

ABSTRACT

A coil bobbin (10) that comprises a housing (12) with an interior (13) and including a floor (14) with at least one electrical lead-in (16) projecting through an aperture (15) in the floor. The lead-in (16) has one end (17) formed for attachment to a printed circuit board (18). The electrical lead-in (16) has a given diameter D1 and is provided with thermal-strain relief (20) positioned within the interior (13) of housing (14). The aperture (15) has a diameter D2 larger than the given diameter D1 of the lead-in. The larger diameter D2 of the aperture allows free movement of the lead-in during thermal cycling and contributes to the desired result. This construction also allows the use of round lead-ins over the previously employed square lead-ins, which were required to provide the rigid interference fit previously necessary.